

PULP & PAPER

1986 EDITORIAL INDEX

The 1986 Editorial Index contains complete listings of all feature articles and news stories published in 1986 issues of *Pulp & Paper*. Feature articles are listed by subject, by author, and by company. Feature articles and news stories covering activities outside North America are listed under the name of the country. News stories are listed in the news stories section and also by company. (Note: BG = Buyers Guide, November 15 issue.)

INDEX OF FEATURE SUBJECTS

BLEACHING

| | |
|--|---------|
| Bleaching chemicals plentiful and prices stable (column) | Jul 39 |
| Bleaching survey: newest technology helps cut costs | Jul 47 |
| Bleach plant design advances help cut operating costs | Jan 70 |
| Bleach plant pumping more efficient at Boise mill | May 112 |
| High-brightness CMP used more in high-quality papers | Jul 66 |
| Hydrogen peroxide's use in bleaching | Nov 111 |
| Kajaani Automation profiled in interview | Oct 194 |
| Mead starts up low-level, short sequence bleach plant | Oct 66 |
| Mixers: guide to manufacturers | BG 13 |
| Peroxide CTMP/TMP bleaching system aided by model | Jun 96 |
| Sulfur dioxide is versatile bleaching agent | Jul 75 |

CHEMICALS

Columns

| | |
|--|---------|
| Chemical Report: | |
| Dye consumption stable, applications changing | Jan 39 |
| Sulfite byproducts: weakness likely for some | Feb 45 |
| Recycling chemical use and equipment, market | Mar 45 |
| Water treatment chemicals, biocides improved | Apr 43 |
| Pigment market in transition; price, supply stable | May 43 |
| Mechanical pulping: looking to chemicals for quality | Jun 45 |
| Bleach chemicals in ample supply, no hikes seen | Jul 39 |
| Crude tall oil: turnaround in supply | Aug 37 |
| Sulfite pulping: chemical price increases sticking | Sep 45 |
| Alkaline pulping: price, equipment influencing use | Oct 43 |
| Consumption, prices moving with production | Dec 41 |
| Betz PaperChem profiled in interview | Aug 166 |
| Chemical demand raised by high paper output (survey) | Nov 45 |
| Deinking: use of appropriate chemical additives is vital | Nov 59 |
| Hydrogen peroxide's use in bleaching | Nov 111 |

COATING/SIZING

| | |
|--|---------|
| Coaters: guide to manufacturers | BG 13 |
| Coat weight measured by near infrared sensors | May 76 |
| Custom-blended clays can optimize coating properties | May 73 |
| Fine calcined kaolin pigments superior for many uses | May 56 |
| Gilman Paper installs ultimate air knife coater | May 54 |
| Michigan Paperboard installs twin bar coaters | Oct 88 |
| Online coating measurements boost efficiency | May 127 |
| Titanium dioxide price to increase | May 64 |

DIRECTORIES/LISTINGS

| | |
|---|--------|
| Chemicals: names of major suppliers | BG 155 |
| Chemicals: pricing, demand, supply, supplier surveyed | Nov 45 |
| Equipment and supplies: major manufacturers | BG 63 |
| Manufacturers, suppliers: addresses, phone numbers | BG 221 |
| Market pulp: producers, agents | BG 213 |
| New product showcase | BG 20 |
| Pigment register | BG 41 |
| Replacement equipment: guide to manufacturers | BG 13 |
| Technical and consulting services: major companies | BG 185 |
| Top product review: hottest new products of past year | BG 31 |

ENGINEERING/MAINTENANCE

| | |
|---|---------|
| Bearing life extended with contamination control | Jul 56 |
| Computerized database is heart of painting program | Dec 50 |
| Computerized maintenance has many advantages | Sep 130 |
| Condensate treatment program reduces corrosion | Sep 166 |
| Contract maintenance part of reliability improvement | Dec 98 |
| Contract maintenance response service guaranteed | Dec 96 |
| Corrosion in control room prevented by air filtration | Feb 75 |
| Engineering tasks aided by millwide control systems | Feb 86 |
| Feedwater monitoring is key to trouble-free boilers | Sep 119 |
| Fiberglass piping withstands corrosive environments | Feb 88 |
| Heat exchangers heat makeup water for deinking plant | Jan 94 |
| Maintenance survey taken of 102 North American mills | Sep 60 |
| Maintenance equipment and techniques showcased | Sep 69 |
| Main, C.T., profiled in interview | Mar 282 |
| Motor failures can be prevented by sealing bearings | Sep 106 |
| Motor life can be extended by special sealing processes | Sep 86 |
| Motors and motor controls: guide to manufacturers | BG 13 |
| Nonspalling metal coatings used for recovery boilers | Sep 88 |
| Online monitoring, lube control minimizes downtime | Sep 140 |
| Prefab modules allow quick construction | Mar 173 |
| Preventive maintenance emphasized today (survey) | Sep 60 |
| Preventive maintenance program ups mill's availability | Sep 74 |
| Preventive maintenance trends, mill methods reported | Sep 59 |
| Protective coatings, lubricants: guide to manufacturers | BG 13 |
| Pumps: guide to manufacturers | BG 13 |
| Remote monitoring warns of potential breakdowns | Sep 124 |
| Roll-up doors improve worker comfort, cut dust levels | Feb 90 |
| Rotary joint problems solved by finding new supplier | Sep 110 |
| Steam system noise reduction cuts maintenance costs | Sep 99 |

| | |
|---|---------|
| Supplemental maintenance vital to Scandinavian mills | Dec 91 |
| Tile linings cut pulper downtime | Sep 97 |
| Valves: guide to manufacturers | BG 13 |
| Vibration monitoring I: dryers, press rolls, felt rolls | Mar 182 |
| Vibration monitoring II: pumps, motors, gearboxes | May 120 |
| Vibration monitoring III: chippers, turbines, fans | Jul 106 |

ENVIRONMENTAL CONTROL/AIR, WATER QUALITY

| | |
|--|---------|
| Effluent treatment for pulp and paper mills reviewed | Jan 76 |
| Influent pH swings can affect treatment systems | Apr 112 |
| Sidestream oxygenation lowers mill's BOD load | Apr 75 |
| Smokestack waste can be used as fertilizer/pesticide | Apr 129 |
| Water recycling opportunities are often overlooked | Apr 148 |

EXPANSION/MODERNIZATION

| | |
|---|---------|
| Boise Cascade completes Beaver Falls fourdrinier | Apr 120 |
| Champion starts up Quinnesec market pulp mill | Apr 98 |
| Chesapeake producing multi-ply liner at West Point | Apr 108 |
| Crown Zellerbach upgrades Glens Falls tissue plant | Oct 63 |
| Garden State adds top wire to Garfield news machine | Aug 64 |
| Gaspesia starts up CMP plant to replace sulfite pulp | Feb 118 |
| Gilman Paper installs ultimate air knife coater | May 54 |
| G-P converts Monticello linerboard machine to two-ply | Jun 92 |
| G-P starts up world's widest free-sheet machine | Nov 88 |
| Laurel Hill tissue mill on target after first year | Jul 70 |
| MacLaren adds Masson newsprint machine | Dec 52 |
| Manville rebuilds No. 7 machine at West Monroe mill | Mar 210 |
| Mead starts up low-level, short sequence bleach plant | Oct 66 |
| Michigan Paperboard installs twin bar coaters | Oct 88 |
| SCA has new newsprint machine at Ortviken | Oct 107 |
| SCA upgrades Ostrand mill with new controls | Mar 106 |
| West Tacoma mill undergoes upgrade | Dec 79 |
| Western Pulp upgrades Squamish market pulp mill | Oct 127 |

FINISHING/CONVERTING

| | |
|--|---------|
| Core cutting attention reduces waste, adds labor savings | Dec 87 |
| Computerized roll handling is cost-efficient | Jan 91 |
| Computerized slitter improves winder operation | Oct 97 |
| Crown Zellerbach upgrades Glens Falls tissue plant | Oct 63 |
| Cut-size sheeters with high capacity meet demands | Oct 124 |
| Lift trucks still play vital role in the industry | Oct 56 |
| Liquid packaging markets fall for board producers | Apr 137 |
| On-machine calender has range of finishes | Nov 100 |
| Plastic-covered SC rolls replacing cotton-filled | Jul 90 |
| Polyurethane rolls help press section, gloss calender | Dec 107 |
| Roll up doors cut dust levels in sheeting operation | Feb 90 |
| Sheet finishing overview: balancing costs and quality | Oct 75 |
| Sheeting operations can be improved by use of air | Oct 110 |
| Supercalendered coated paper winder problems solved | Mar 86 |

MANAGEMENT

Columns

| | |
|--|---------|
| Business Outlook: | |
| Market pulp: bellwether of the industry? | May 41 |
| The Canadian forest industry is unique | Sep 43 |
| Career Development: | |
| Overcoming the fear of public speaking | Jan 119 |
| Getting a new employee off to the right start | Feb 131 |
| Dealing with an error | Mar 227 |
| Cultivating the grapevine | Apr 157 |
| Dealing with anger in the workplace | May 139 |
| Management and leadership | Jun 155 |
| Program chairman: tips on how to survive | Jul 123 |
| Spotting and getting good people | Aug 113 |
| To MBA or not to MBA? | Sep 197 |
| You and your executive image | Oct 141 |
| Participating on a panel | Nov 137 |
| Strategic listening aids relations | Dec 137 |
| From the Editors: | |
| Hot air hand dryers | Jan 7 |
| Where the world of paper is-or isn't-going | Feb 7 |
| Declining oil prices affect the paper industry | Mar 7 |
| What happened to name calling? | Apr 7 |
| Subsidies question will heat up trade talks | May 7 |
| Swedes not horses | Jun 7 |
| Plastic nightmare | Jul 7 |
| New attitudes toward safety | Aug 7 |
| Support your local foundation | Sep 7 |

| | |
|--|---------|
| New life in linerboard | Oct 7 |
| More on maintenance | Nov 7 |
| Industry comment: | |
| Labor confrontation no longer affordable | Jan 176 |
| U.S. trade deficit: the time for action is now | Feb 184 |
| Demand in U.S. pulp and paper to increase | Mar 294 |
| Will the South rise again? | Apr 220 |
| Contact your nearest member of Congress | May 196 |
| OCC supply: where there's smoke, there's fire | Jun 220 |
| Report from south of the border | Jul 178 |
| Future of Swedish pulp | Aug 180 |
| Doing battle in international arenas | Sep 280 |
| The good old days | Oct 212 |
| What industry are we in? | Nov 192 |
| Getting back to basics | Dec 194 |
| Labor/Management: | |
| Downsizing in companies will effect long term | Feb 43 |
| The changing face of U.S. labor | Apr 41 |
| Debate on health care | Jun 43 |
| Productivity turns on incentives | Dec 39 |

Special Reports

Outlook '86:

| | |
|---|---------|
| U.S. | |
| Boxboard output to rise | Jan 52 |
| Coated paper getting ready for trouble | Jan 49 |
| Containerboard likely to recover | Jan 53 |
| Forecast good for 1986 | Jan 46 |
| Uncoated free-sheet still recovering | Jan 51 |
| Wastepaper export demand to improve | Jan 55 |
| Canada | |
| Forecast good for 1986 | Jan 60 |
| Market pulp sees another difficult year | Jan 64 |
| Newsprint demand steady, prices weak | Jan 61 |
| Uncoated groundwood to improve | Jan 63 |
| Labor | |
| Focus on British Columbia, U.S. South | Jan 65 |
| Capital spending survey: U.S., Canada | Jan 103 |

World Review:

| | |
|--|---------|
| 1985: More paper, prices, and profits declined | Aug 43 |
| Chinese paper industry continues to expand | Aug 106 |
| Quinzhou machine rebuild ups speed by 60% | Aug 54 |
| Top 20 producing countries | |
| Africa | Aug 45 |
| Asia/Australasia | Aug 45 |
| Europe | Aug 50 |
| Latin America | Aug 47 |
| North America | Aug 51 |
| U.S. and Japanese industry leaders discuss trade | Aug 76 |
| World at a glance | Aug 48 |
| Beloit's future looks bright, steady growth expected | May 66 |
| Business forms demand falls as EDI systems grow | Aug 89 |
| Corporate images are important | Apr 62 |
| Fire brigade is viable alternative for rural paper mills | Dec 64 |
| Hiring demographics change as employment falls | Feb 120 |
| Liquid packaging markets drop for board producers | Apr 137 |
| Preparation is crucial element in loss control | Dec 61 |
| Ron Rea wins Paper Chase; runners raise over \$1,000 | Dec 112 |
| Roofing industry upheaval still on, no rebound expected | Jan 73 |
| Specialty papermaking profitable with innovation | Dec 75 |
| U.S. paper industry facing better outlook in 1986 (API) | May 94 |

MEETINGS/CONFERENCES

| | |
|---|---------|
| CPPA meeting focuses on process developments | Apr 86 |
| ISA '85 showcases advanced process control systems | Feb 115 |
| Sulfite conference (CPPA) covers pulping operations | Aug 87 |
| TAPPI '86 International Industry Exhibit Guide | Mar 135 |

PAPERMAKING/BOARDMAKING

Grade Profile

| | |
|----------------------------|--------|
| Linerboard | Jan 13 |
| Tissue | Feb 13 |
| Coated free-sheet | Mar 13 |
| Uncoated free-sheet | Apr 13 |
| Coated groundwood | May 13 |
| Recycled paperboard | Jun 13 |
| Corrugating medium | Jul 13 |
| Bleached paperboard | Aug 13 |
| Uncoated groundwood papers | Sep 13 |

| | | | |
|--|---------|---|---------|
| Paper-grade chemical market pulp | Oct 13 | Microprocessor-based control system surveyed | Feb 71 |
| Kraft paper | Nov 13 | Millwide control systems make engineering tasks easier | Feb 86 |
| Newsprint | Dec 13 | Moisture/caliper profile controls boost production | Sep 184 |
| Air systems guideline for energy-efficient design | Oct 94 | Online coating measurements boost efficiency | May 127 |
| Cationic potato starches used as wet end additives | Apr 83 | Online color and shade measurement now possible | Nov 124 |
| Compression resistance, strength: what they mean | Apr 122 | PLC-computer interfaces work as troubleshooting tool | May 87 |
| Consumption, prices moving with production | Dec 41 | Programmable controllers modernize SCA mill | Mar 106 |
| Dryer felt life extended with cleaning programs | Feb 69 | Refiner control operations can be improved | Mar 70 |
| Fiber testing helps trace out paper quality defects | Jun 70 | Sensors: guide to manufacturers | BG 13 |
| Forming fabric guiding woes solved by system design | Oct 121 | Smart transmitters boost orifice flowmeters' accuracy | Jul 86 |
| Forming fabric performance predicted by computer | Jun 118 | Smart transmitters have many advantages | Jul 114 |
| Forming zone fine-tuning raises sheet quality | Feb 82 | Strength formation measured online with new sensors | Sep 170 |
| Fractionation of OCC: two stocks from one furnish | Aug 67 | Yokogawa profiled in interview | Jun 205 |
| Heat exchanger coils boost air heating efficiency | Mar 98 | | |
| High-impulse presses installed worldwide (survey) | Apr 58 | | |
| Huyck USA profiled in interview | May 179 | PULPING | |
| Low-density refiner sizing determined by analysis | Sep 180 | Chemical | |
| New corrugated box specs can affect board making | Dec 56 | Chip preparation key to better pulp quality | Oct 52 |
| Papermaking: evolving machines, new methods seen | Nov 71 | Component testing uncovers source of pulp variations | Nov 103 |
| Press section performance aided by balanced approach | Jan 87 | Conserving energy in the pulp mill | Mar 117 |
| Statistical methods can improve linerboard quality | Apr 130 | Fractionation of OCC: two stocks from one furnish | Aug 67 |
| Steam injectors increase machine production | Apr 96 | Gasification is viable alternative for lime kiln fuel | Sep 151 |
| Strength formation measured online with new sensors | Sep 170 | Lime kiln costs cut by use of supervisory control | Feb 100 |
| Table rebuild on specialty fourdrinier raises quality | Apr 120 | Medium-consistency screening reduces equipment | Aug 103 |
| Uncoated groundwood papers coming into their own | May 103 | Mixers: guide to manufacturers | BG 13 |
| U.S. alkaline fine papermaking grows steadily | Dec 66 | Pressure filters relieve overloaded causticizing areas | Oct 85 |
| Vacuum needs more stringent on fast paper machines | Apr 7 | Pulp washers: guide to manufacturers | BG 13 |
| Wagner Systems profiled in interview | Sep 260 | Southern hardwood use to increase in future | Feb 59 |
| Wet press and felt monitoring aids problem diagnosis | Aug 94 | Sulfite pulping conference has wide-ranging focus | Aug 87 |
| Yankee dryer problems solved by advanced diagnostics | May 96 | Water-based antifoams reduce pitch, deposit formation | Feb 97 |
| | | Wood handling plants: financing, construction options | Jul 78 |
| | | Woodyards in Scandinavia stress simplicity, reliability | Jul 51 |
| POWER/STEAM | | Mechanical | |
| Burner management is three-in-one at Leaf River | Nov 128 | CTMP quality raised by optimizing impregnation | Aug 56 |
| Cogenerators give turbines clutches for efficiency | Nov 86 | High-brightness CMP used more in high-quality papers | Jul 66 |
| Condensate treatment program reduces corrosion | Sep 166 | Mechanical pulping installations worldwide surveyed | Jun 73 |
| Conserving energy in the pulp mill reported | Mar 117 | Mechanical pulping research aimed at ultimate CMP | Jun 81 |
| Corrosion damage in boilers: identifying types, causes | Jun 105 | Mechanical pulps serve variety of uses | Jun 73 |
| Electrostatic precipitator "hybrid" for fine particles | Jun 57 | Peroxide CTMP/TMP bleaching system aided by model | Jun 96 |
| Energy management on corporate-wide basis possible | Mar 192 | Refining choices should be based on exact system needs | Jun 60 |
| Heat exchanger coils boost air heating efficiency | Mar 98 | Sprout-Bauer profiled in interview | Nov 178 |
| Heat exchangers heat makeup water for deinking plant | Jan 94 | | |
| Jet engine cogeneration plant operating at Simpson | Jun 136 | QUALITY CONTROL | |
| Power generation alternatives now available | Jul 96 | Component testing helps pulp, paper mill rapport | Dec 108 |
| Refiner plate bar height optimizing reduces energy use | Mar 95 | Component testing pinpoints specific values | Jun 70 |
| Sootblowing control developed at Union Camp | Jun 129 | Component testing uncovers source of pulp variations | Nov 103 |
| | | Online color and shade measurement now possible | Nov 124 |
| | | Short span tensile tested for basic paper property | May 84 |
| PROCESS AUTOMATION | | RECYCLING/STOCK PREPARATION | |
| Automation assessment ("spidergraph") for paper mills | Feb 56 | Disc filter eliminates traditional drawbacks | Mar 202 |
| Controllers, regulators: guide to manufacturers | BG 13 | Profiled screens remove stickies, cut rejects and plugs | Mar 83 |
| Control room corrosion prevented by air filtration | Feb 75 | Refiner control operations can be improved | Mar 70 |
| Energy management on corporate-wide basis possible | Mar 192 | Refiner plate bar height optimizing reduces energy use | Mar 95 |
| Honeywell: Supplier News Profile interview | Apr 204 | Slotted screens prove superior to cleaners | Mar 109 |
| ISA '85 showcases advanced process control systems | Feb 115 | Wastepaper outlook is upbeat in first quarter | Mar 200 |
| Kajaani Automation profiled in interview | Oct 194 | | |
| Lime kiln costs cut by use of supervisory control | Feb 100 | | |

INDEX OF AUTHORS

—A—

Accetta, Joe—Sep 97
 Adams, Debra A.—Jan 73, Mar 200, Apr 7, Apr 137, Dec 13
 Adams, John C.—Apr 148
 Alhbm, Kari—Sep 140
 Allen, David R.—Feb 7
 Anderson, Boyd—Jul 96
 Angell, Tryg R.—Feb 120

Angrill, F.—Aug 94
 Antiku, Joseph Jr.—Mar 95

—B—

Bailey, R.B.—Feb 100
 Beck, Dennis P.—Feb 88
 Bergman, E.K.—96
 Berry, H. Keith—May 73
 Bhasin, Roberta—Jan 119, Feb 131, Mar 227, Apr 157, May

139, Jun 155, Jul 123, Aug 113, Sep 197, Oct 141, Nov 137, Dec 137

Boggs, Robert E.—Dec 91
 Borg, J. Anders—Mar 117
 Brown, Greg K.—May 76
 Burton, J.T.—Jul 75
 Byers, Dorsey—Oct 94

—C—

Cappell, Dan—Oct 121
 Carmichael, D.L.—Jul 86
 Carpenter, Brent—Sep 7, Sep 60, Sep 170
 Cavaney, Red—Mar 294
 Conner, Eric J.—Dec 98
 Cowan, Wavell F.—May 84, Jun 70, Nov 103, Dec 108

Crossland, William E.—Mar 202

—D—

Dartt, Steven R.—Feb 71
Danielsson, Ove—Jun 60
Davis, Gregory D.—Mar 98
Ducey, Michael—Jan 5, Feb 65,
Mar 45, Apr 43, Apr 58, Apr
98, May 43, Jun 45, Jun 129,
Jul 39, Jul 47, Jul 70, Aug 37,
Sep 45, Oct 43, Oct 126, Nov
45, Dec 41, Dec 79

—E—

Easterly, Frank B.—Sep 88
Edwards, L.L.—Jun 96
Eley, Janet M.—Apr 130
El-Hosseiny, Farouk—Dec 56
Elliott, Robert H.—Sep 180
Espe, Carl—Jan 103, May 7
Evans, John C.W.—Feb 118,
Apr 86, Apr 120, Aug 87,
Oct 88, Dec 52

—F—

Fadum, Ole-Kristian—Feb 56
Falk, Bo—Jun 60
Fallon, James J.—May 64
Fennell, Tony—Feb 75
Forbes, David R.—Oct 85
Frega, Volky—Jun 57
Frejborg, Frey—Mar 83

—G—

Garrett, M.R.—Apr 112
Garrigan, J.W.—Jul 178
Gault, Terrell—May 112
Georges, John A.—May 196
Giovangnoni, M.—Aug 94
Givin, William R.—Jun 118
Green, Charles—Feb 86
Gregory, Jay—Sep 166
Greiner, Thomas S.—Oct 75
Grim, Gregory L.—Jan 91

—H—

Haasemann, Klaus—Oct 124
Hammerberg, Barry S.—Dec 87
Hankins, Carrol F.—Jul 56

Hoff, Ben—Jul 78
Hoyer, George—Sep 166
Hutchison, James L.—Aug 89

—I—

Iannazzi, Fred D.—Jun 220, Oct
212, Dec 194
Ibrahim, Ahmed A.—Apr 122
Idhammar, Christer—Sep 130
Ince, Peter—Feb 59

—J—

Jackson, Michael—Jun 60
Jensen, Bruce M.—Apr 83
Johns, Ronald E.—May 56
Johnson, Ray G.—Dec 66

—K—

Kien, Julian M.—Feb 43, Apr
41, Jun 43, Dec. 39
King, J.G.—Sep 86
Klaavu, Aaro—Jul 51
Kolp, D.—Jun 136
Korpi, Kalevi—Sep 140
Kovacs, Andrew J.—Mar 202

—L—

Landry, H.J.—Jan 87
Larsen, Arild Skjoller—Sep 74
Leonard, Jacques—Aug 54
Lewis, Robert—Aug 103
Lilburn, D.A.—Jan 87
Lof, Bernt—Aug 180
Ludwig, Carol J.—Mar 95
Lyytinen, H.—Sep 151

—M—

Magill Jr., Donald G.—Dec 75
Manahan, Paul—Sep 119
Marchi, Robert—Nov 124
Martin, Andrew C.—Mar 109
Marton, Renata—Jun 81
Marx, Donald—Oct 56
Marx, Ed—May 54
Matthews, Joe—Oct 110
Matzka, Robert—Jan 94
Meng, Tom—Nov 111
Metzger, David W.—Dec 50
Mies, Willard E.—Aug 76,
Oct 7

Milham, Nick—Nov 192
Minkenberg, Rudi—Nov 100
Moeller, D.J.—Jun 136
Mundler, Hans-Ulrich—
Mar 106
Muukari, Pekka—Mar 192

—N—

Nawaz, Moin—May 87
Nettamo, Kari—Mar 192
Nieminen, J.—Sep 151

—O—

O'Brien, Hugh—Aug 43
O'Neill, Paul H.—Sep 280
Orlowski, David C.—Sep 106
Oseland, Ron—Feb 82

—P—

Pace, Norma—Mar 294
Paskel, James—Jul 90
Pasquarella, Anthony J.—Nov
86
Patrick, Ken—Jan 7, Mar 210,
May 66, Jul 7, Aug 7
Pearson, John—Apr 58, Aug 43
Pekkarinen, Timo—Aug 67
Pennino, Laura M.—Nov 128
Peterson, R. Max—Apr 220
Poltenson, Frank—Feb 97
Port, R.D.—Jun 105

—Q—

Quarti, M.—Aug 94

—R—

Reese, Richard A.—Nov 71
Renner, George J.—May 96
Ritzrow, Charles W.—Jun 57
Rucker, Kevin—May 112
Ruggles, Walter—May 103
Rumph, H. Pierce—Feb 86
Rytter, Tom—Nov 128

—S—

Salls, David—Apr 71
Saunders, Donald A.—Jan 176
Sferrazza, Martin J.—Mar 70,
Aug 56
Shapiro, Sanford I.—May 127

Shortt, Lee—Sep 166
Smith, Elizabeth A.—Feb 115
Smith, Kenneth E.—Mar 7, Apr
108, Jun 7, Jun 92, Aug 64,
Sep 60, Oct 63, Nov 7, Nov
88

Sovik, Robert E.—Jul 114
Strunk, William G.—Nov 111
Sutton, Peter—Aug 43

—T—

Tait, Derek H.—Jan 70
Thomlinson, J.H.—Jan 76
Thompson, Ron—Oct 121
Thorpe, Merle L.—Sep 88
Tombaugh, Peggy J.—Dec 61
Treece, Rex A.—Feb 69
Tuomisto, Martti V.—Oct 97

—U—

Unger, Robert H.—Sep 88

—V—

Valentine, G. Edward—
Apr 148

—W—

Wahl, Ken—May 73
Waters, Doug—Mar 173
Watts, Gary—Sep 99
Wells, Philip—Apr 96
White, M.T.—Apr 75
Whitman, Stanley L.—Jul 86
Wiener, Norman—Apr 62
Willison, T.R.—Feb 100
Winters, James C.—Apr 83
Wold, Don—Jan 94
Woodward, T.W.—Nov 59
Wylliv, J. Craig—Apr 148

—Y—

Yang, Chen Fu—Mar 182, May
120, Jul 106

—Z—

Zimmerman, Adam—Sep 43
Zrelloff, Peter—Oct 52

INDEX OF COMPANIES

This index includes both news items and feature stories. News items pertaining to acquisitions/mergers/buyouts, labor, and litigation are not included in this listing but may be found in the News Stories By Category section.

—A—

ABITIBI-PRICE INC.

Envelope businesses merged Feb 39
Thunder Bay installs twin-wires Apr 25
AMPAD CORP.
Is purchased by Mead Corp. Dec 35
APPLETON PAPERS INC.
Roll-up doors improve quality Feb 90

—B—

BATO CO. LTD.

To make newsprint Jul 27
BOISE CASCADE CORP.
Adhesive containers developed Apr 35
Constructing R&D center Apr 37

Pump study made at Wallula May 112
Studies cogeneration boiler Jun 39
Table rebuild at Beaver Falls Apr 120
West Tacoma upgrades Dec 79
BOWATER INC.
LWC paper machine is onstream Sep 35
BOWATER INDUSTRIES PLC.
To sell U.K. paper group Oct 41
BRIDGEWATER MANUFACTURING CORP.
Starts up air-laid pulp line Dec 33

—C—

CASCADES INC.

Breakville market explored Oct 37

Port Cartier plan approved Mar 27
Seeks control of Rolland Inc. Dec 29
CHAMPION INTERNATIONAL CORP.
Canton output cut from drought Sep 37
Quinnesc operations detailed Apr 98
May double Hinton mill size Jun 25
Mulls coated free-sheet machine Dec 27
Starts up Quinnesc pulp mill Jan 25
Studying rebuild at Bucksport Jul 27
CHESAPEAKE CORP.
Improves linerboard quality Apr 130
Producing multi-ply liner Apr 108
900-tpd liner machine started Feb 29

CONSOLIDATED PAPERS INC.

Plans kraft pulp expansion Dec 25
Starts up new Biron machine Dec 29

CONSOLIDATED-BATHURST INC.

May install new SC machine Mar 27

CONTAINER CORP. OF AMERICA

Spends \$20 million on new unit Mar 37

CRANE & CO. INC.

Ready to put out currency paper Nov 37

CROWN FOREST INDUSTRIES

Elk Falls pulp project Sep 35

Upgrade under way at Elk Falls Jun 33

CROWN ZELLERBACH CANADA LTD.

Equipment to be auctioned Apr 31

CROWN ZELLERBACH CORP.

Expansion at St. Francisville Jan 27

Camas rolls out Nice 'n Soft May 37

Gaylord Container up for sale Jun 31

Start up at Camas Apr 25

Tissue machine at Camas down Apr 33

Upgrades Glens Falls plant Oct 63

-D-**DOMTAR INC.**

Upgrades linerboard machine Mar 31

DONOHUE INC.

Blast halts Clermont mill Apr 33

To build 180,000-tpy machine Jan 23

-E-**ERVING PAPER MILLS**

Plans onsite cogeneration Aug 33

-F-**FSC PAPER CORP.**

To fuel boiler with landfill gas Sep 37

FEDERAL PAPER BOARD CO.

Augusta bleach board expansion Jan 27

Hong Kong firm may buy mill May 33

Sprague gets cogeneration plant Jul 23

Upgrades receiving water DO Apr 75

Vibration monitors Mar 182

\$100-million project for Augusta Aug 21

FIBRECOR EXPORT INC.

To build BCTMP mill in B.C. Dec 25

FINCH, PRUYN & CO. INC.

To supply 95% of own electricity Jan 31

FORT HOWARD PAPER CO.

Cup plant restructuring done Dec 35

Rincon starts converting line Dec 33

Wastewater discharge studied Apr 37

-G-**GARDEN STATE PAPER CO. INC.**

Top wire added at Garfield Aug 64

GASPEIA PULP & PAPER CO. LTD.

Bisulfite, vapor-phase cooking Feb 118

GEORGIA KRAFT CO.

Krannert's new recovery boiler Aug 33

GEORGIA-PACIFIC CORP.

Fiberglass piping going strong Feb 88

Forms Gloster Southern Railroad Sep 39

Installs Palatka tissue machine Dec 33

Monticello adds two-ply former Jun 92

Port Hudson free-sheet machine Nov 88

Rotary joint replacement Sep 110

Starts up Port Hudson machine Jul 29

Studies Monticello rebuild Dec 27

GILMAN PAPER CO.

Polyurethane rolls aid gloss Dec 107

Ultimate air knife at St. Marys May 54

GREAT LAKES FOREST PRODUCTS LTD.

Computerized slitter on winder Oct 97

Construction on Ponderay mill Jan 23

GREAT NORTHERN PAPER CO.

Scraps plans for Big A dam May 33

To scale back operations Mar 27

GREAT SOUTHERN PAPER CO.

Studying forward integration Mar 37

-H-**HAMMERMILL PAPER CO.**

Starts up Riverdale machine Dec 27

To make Nocopi paper May 29

To make, sell Kodak paper Oct 35

Upgrades Lock Haven, Erie May 27

-I-**INLAND CONTAINER CORP.**

Begins trial runs at Ontario Jan 25

INTERNATIONAL PAPER CO.

Moves operations to Memphis Dec 33

Revamps lube system filtration Jul 56

Shuts down pulp line at Natchez Mar 33

-J-**JAMES RIVER CORP.**

Masson adds news machine Dec 52

Plans rebuild at Otis mill Mar 31

To cut CZ corporate staff Jun 31

-K-**KIMBERLY-CLARK CORP.**

Introduces new Huggies product Aug 31

Expands Australian tissue mill Oct 41

To rebuild Coosa Pines machine Mar 39

-L-**LAKE SUPERIOR PAPER INDUSTRIES**

Equipment ordered for Duluth Apr 25

LAUREL HILL PAPER CO.

On target after first year Jul 70

LEAF RIVER FOREST PRODUCTS

Three-in-one burner system Nov 128

LINWEAVE FINE PAPERS INC.

To double fine paper output Oct 35

LONGVIEW FIBRE CO.

Computerized slitter on winder Oct 97

Condensate treatment program Sep 166

To build Utah box plant Sep 39

LOUISIANA-PACIFIC CORP.

Completes waferwood plant Feb 39

-M-**MACMILLAN BLOEDEL LTD.**

To build wastewater plant Jan 27

MAKIN PULP & PAPER LTD.

Clears site for mill Oct 37

New complex plans Mar 29

To install new paper machines Jun 33

MANFOR LTD.

Projects losses for 1985 Feb 29

MANVILLE FOREST PRODUCTS CORP.

Installs filler-ply fourdrinier Mar 210

Plans further SUS increases Oct 39

Reorganization under way Jun 37

West Monroe machine restarted Apr 35

MEAD CORP.

Low-level bleach plant Oct 66

Pays \$117.9 million for Ampad Dec 35

Preparation controls losses Dec 61

MENASHA CORP.

Proceeds with Otsego upgrade Sep 33

MICHIGAN PAPERBOARD CORP.

Installs twin bar coaters Oct 88

MIDTEC PAPER CORP.

Mulls new free-sheet machine Dec 27

MILLAR WESTERN INDUSTRIES LTD.

Greenfield market pulp facility Jun 23

MONROE PAPER CO.

Pulper downtime cut Sep 97

MORRIS PAPER BOARD CO.

ChinAm restarts mill Dec 31

Mill opens as China venture May 31

MOSINEE PAPER CORP.

Celebrates 75th birthday Sep 27

-N-**NEWARK GROUP INC.**

Restarts Lawrence mill Feb 37

-O-**OWENS-ILLINOIS INC.**

Heat exchanger coils for O-I Mar 98

-P-**PAPERBOARD INDUSTRIES INC.**

Acquires Big M Paperboard Dec 31

PORT HURON PAPER CORP.

Rebuilding fine paper machines May 27

PORT TOWNSEND PAPER CO.

Completes pulp mill expansion Jul 21

POTLATCH CORP.

Plans coated free-sheet machine Apr 23

Ron Rea wins Paper Chase Dec 112

Spending \$50 million at Lewiston Jun 33

PROCTER & GAMBLE PAPER PRODUCTS CO.

Expands testing of ultra diaper Jan 33

Plans pulp optimization Aug 21

Takes Ultra Pampers nationwide Mar 39

PUBLISHERS PAPER CO.

Recovers heat from stream Jan 94

-R-**REPAP ENTERPRISES INC.**

Miramichi comes up to speed Nov 35

Restarts Skeena B mill Oct 37

Starts up Newcastle LWC mill Mar 31

ROLLAND INC.

To make Nocopi paper May 29

Moisture/caliper control use Sep 184

-S-**ST. RAYMOND PAPER CO.**

Spends \$4 million to upgrade Dec 29

SCOTT PAPER CO.

To make incontinence products Jan 33

Introduces Helping Hand product Jul 31

Plans expansion in Europe Aug 35

S.D. Warren starts new machine Nov 35

SIMPSON PAPER CO.

Jet engine cogeneration plant Jun 136

SOUTHWEST FOREST INDUSTRIES INC.

May fund Panama City upgrade Sep 33

STONE CONTAINER CORP.

Buys share in Jacksonville Dec 31

Price hiked on bag paper Apr 35

STRATHMORE PAPER CO.

Plans onsite cogeneration Aug 33

Wins ecology award Apr 129

-T-**TEMBEC INC.**

CTMP mill comes onstream Aug 19

TEXCROM PAPER CORP.

Resurrects idle towel mill Nov 35

THILMANY PULP & PAPER CO.

To add capacity at Kaukauna Mar 31

-U-**UNION CAMP CORP.**

Savannah sootblowing control Jun 129

-W-**WESTERN PULP LTD. PARTNERSHIP**

Modernizes Squamish mill Oct 126

WESTWACO

SBS machine nears startup Apr 23

WEYERHAEUSER CO.

Nears decision on LWC machine Jan 25

Keeping pH under control Apr 112

Milk Moovers replace plastic
Plants 2 billion seedlings
To challenge the diaper market

Apr 35
Aug 23
Aug 31

Making auto ceiling material
Stops equipment corrosion

Aug 31
Feb 75

WILLAMETTE INDUSTRIES INC.

Albany rebuild to add capacity
To rebuild Campiti liner machine

Apr 25
Oct 27

INDEX OF FOREIGN COUNTRIES

This index includes both feature stories and news items.

AUSTRALIA

Newsprint Mills add TMP line May 39
To reactivate two facilities Jan 37
Paper Manufacturers start mill Mar 173
K-C to expand tissue mill Oct 41

AUSTRIA

L-M, Zellstoff study machine Apr 39
L-M, Ausseidat form joint venture Jul 37
Papierfabrik to raise capacity Jun 41
Papierfabrik installs machine Jul 37

BELGIUM

Danaeyer sells Willebroek mill May 39

BRAZIL

Aracruz studies expansion May 39
Eucalyptus pulp capacity raised Nov 39
Klabin, Ripasa to expand Dec 37
New paper machine studied Mar 43
Riocell to raise pulp capacity Apr 39

CHILE

CMPC completes study Nov 39
Expansions to year 2000 Feb 41
Shell Oil to purchase mill Jan 37
Pulp mill construction updated Aug 35

CHINA, PEOPLE'S REP.

Delegation tours industry Aug 106
Import firm formed in Beijing May 33
Jilin buys Swedish mill machine Apr 39
Morris Paper is joint venture May 31
Quinzhou rebuild raises speed Aug 54
Takes ownership of N.J. mill Feb 37

COLOMBIA

Scott sells interest May 39

CZECHOSLOVAKIA

Rebuild at Jihoceske Papirny Jul 37

FINLAND

Enso rebuild at Kotka Apr 39
Enso shifts to free-sheet Aug 35
Jamsankoski makes rebuild Apr 39
Kaskinen pulp capacity raised May 39
Kaudas chooses mill site Oct 41
Kaukas buys Schauman interest Mar 43
Kemijarvi pulp output raised May 39
Kymmene buys Kaukas interest Feb 41
Metsa, Serlachius to merge Jul 37
Metsa to rebuild machine Sep 41
MoDo starts up new CTMP line Mar 43
Northern industry restructures Sep 41
Sunds to buy Jylhävaara Dec 37

Wastewater treatment program Oct 35
U.P. installs new machine Feb 41

FRANCE

Aussedat, Leykam form venture Jul 37
Government aids NDC mills May 39
Matussiere to buy mill May 39

GERMANY, FED. REP.

Albbruck rebuilds machine May 39
August Koehler to build mill May 39
Feldmühle starts new machine Feb 41
Flick family to sell empire Feb 41
Haindl picks peroxide bleaching Sep 41
New machine for LWC Aug 35
Waldenhof orders tissue unit Apr 39

HOLLAND

Parentco to build new machine Apr 39

HONG KONG

Chiap Hua buys Marseilles mill May 33

IRELAND

Clondalkin mill reopened Mar 43

ITALY

Cartiera to build new machine Jul 37

JAPAN

Jufo starts up new machine Jan 37
Kanzaki expanding production Sep 41
Mills adding coating capacity Oct 41
Oji orders groundwood pulp line Jan 37
Paper demand to grow 2.4% Dec 37
Sanyo-Kokusaku to expand May 39
Taio adds machine at Nagoya Jun 41

KOREA, REP.

Growth in paper demand seen Aug 35

NEW ZEALAND

Firms form Chilean company Sep 41
Fletcher bids for NZFP Dec 37
Kawerau expects long shutdown Oct 41
Kawerau mill settles strike Jan 37
Kawerau strike ends Nov 39
Rebuild set for Kawerau Sep 41

NORWAY

Holmens installs twin-wire Aug 35
Preventative work at Moss Sep 74
Rena Kartonfabrik adds pulp line Sep 41
Saugbrugs may build Quebec mill Jul 27
Saugbrugs mill funding delayed Dec 25
Saugbrugs plans rebuild Aug 35
Saugbrugs reveals Matane plans Aug 21
Skogsindustrier to raise capacity May 39
Union A/S to close Skotfos Jun 41

PAKISTAN

Funds for mill falter Sep 41

PORTUGAL

Portucel to expand Jul 37
Soporcel to expand Apr 39
Viana upgraded Oct 41

SCOTLAND

Kaukas chooses mill site Oct 41

SOUTH AFRICA

Thika, Kenya to receive mill Mar 43

SWEDEN

ASSI may expand Pitea Jun 41
Duni Bila starts air-laid pulp line Dec 33
High-speed newsprint machine Oct 107
Holmens acquires Fiskeby Feb 41
Holmens raises Hallsta capacity May 39
Holmens rebuild at Fiskeby Jun 41
Hylte raises wood consumption Apr 39
Iggesunds plans pulp upgrade Aug 35
Iggesunds buys Holmens shares Apr 39
Kristehamn makes rebuild Sep 41
Nymolla adds machine Aug 35
SCA upgrades at Ostrand Jun 41
SCA to acquire 75% of Svande Jan 37
SCA starts up Ortvisken machine Mar 43
SCA modernizes Mar 106
Skarblacka bleaching sequence Sep 41
Stora to increase wood use Mar 43
Stora closing Skoghall mill Jun 41
Stora completes pulp upgrade Feb 41
Stora raises Skutskar output Apr 39
Stora to restructure Jul 37
Stora, Papyrus merge Nov 39
Sunds to buy Jylhävaara Dec 37
Supplemental maintenance vital Dec 91
Swanboard may switch to CTMP Apr 39
Vaggeryd to convert to CTMP Sep 41

UNITED KINGDOM

Bowater to sell paper group Oct 41
Davidson acquires Purfleet mill Apr 39
East Lancashire gets machine Jun 41
Inverurie comes online Jul 37
Reed upgrades machine Jun 41

U.S.S.R.

Buckeye may build pulp mill Jan 37
Pulp traded for construction Mar 43
Suzano to build CTMP line Jan 37
Svetogorsk to install machine Jan 37

NEWS STORIES BY CATEGORY

This section contains news items not included in the company or country portions of this index.

ACQUISITIONS/MERGERS/BUYOUTS

| | |
|--|--------|
| Abitibi-Price sells idle Stephenville pulp mill | Aug 25 |
| Abitibi to sell market pulp mill, lumber operations | Oct 23 |
| Alberta Energy sells stake in BCFP | Jun 33 |
| American Tissue buys Diamond's Natchez mill | Jul 31 |
| Beloit sold for \$175 million to Harnischfeger | Apr 21 |
| Big M sold to Paperboard Industries | Dec 31 |
| Boise Cascade protects itself from takeover | Feb 25 |
| Boise to buy market pulp, uncoated free-sheet mill | Jul 29 |
| Bowater's offer for Crain's forms assets rejected | Oct 23 |
| Canfor Corp. seeking partner for Howe Sound mill | Jan 23 |
| Caraustar share bought by Settsu of Japan | Dec 31 |
| Cascades buys part of former Con-Bath mill | Sep 27 |
| Cascades purchases paper machines from Nitec Paper | May 23 |
| Cascades, Quebec government agency buy ITT mill | Jan 21 |
| Cascades seeks control of Rolland; sale doubtful | Dec 29 |
| Consolidated Packaging's bid for Harriman mill wins | Nov 25 |
| CCA sold to Jefferson Smurfit and Morgan Stanley | Sep 25 |
| CZ, James River start the ball rolling | May 23 |
| CZ's board won't push stock swap | Mar 25 |
| Daihsowa considers buying Gaylord, other assets | Aug 21 |
| Dofor is object of unwelcome buyout offer | Jul 23 |
| Federal negotiates sale of Marseilles, Ill., mill | Dec 31 |
| Gaylord Container is up for sale | Jun 31 |
| Hammermill sells Manning Paper Div. to Lydall | Aug 23 |
| Hercules' Hopewell mill to join new chemical firm | Jun 39 |
| Hong Kong firm may buy Federal's Marseilles mill | May 33 |
| IP buys Hammermill, fine paper operations combined | Oct 25 |
| IP plans to protect interests of its shareholders | Feb 27 |
| IP to acquire Hammermill for \$1.1 billion | Sep 23 |
| James River may sell Zellerbach Group | Jul 21 |
| James River to cut CZ corporate staff after swap | Jun 31 |
| James River to exchange stock for CZ | Feb 23 |
| Jefferson Smurfit acquires 80% of Publishers Paper | Jan 21 |
| Jefferson Smurfit gains newsprint contracts in buy | Apr 23 |
| Koppers to sell Sprout-Waldron | Jun 39 |
| Mead, Brunswick Pulp sell their stake in BCFP | Jul 21 |
| Mead to buy Zellerbach Distribution from James River | Aug 21 |
| Mead to sell interest in Schoeller Technical Papers | Mar 25 |
| Mid-America Packaging investors to buy Gaylord | Nov 25 |
| Mitsubishi may be front runner in bidding for Beloit | Mar 41 |
| Morris Paper Board reopens as China foreign venture | May 31 |
| National Gypsum and Genstar spur bidding | May 23 |
| National Gypsum holders clean up in leveraged buyout | Jun 39 |
| National Gypsum may go private to avoid takeover | Jan 23 |
| Ocean Falls mill equipment for sale | Apr 31 |
| Owens-Illinois completes sale of Orange mill | Aug 23 |
| Perron to submit second offer for Donohue | Sep 25 |
| Petratex buys Bemis specialty kraft paper mill | Feb 31 |
| Port Huron rebuilding fine paper machines | May 27 |
| Potlatch thwarts buyout | Feb 27 |
| Quebec closer to selling stakes in Domtar, Donohue | Nov 23 |
| Repap completes Skeena purchase, will restart B mill | Sep 27 |
| Repap files public offering | Nov 23 |
| Repap to buy Westar's Skeena pulp mill | Jul 19 |
| SFI gets court order halting proxy solicitation | Mar 25 |
| SFI target of takeover attempt | Feb 25 |
| St. Joe Paper restructures, separated in two divisions | Mar 25 |
| Smurfit, former Union Camp exec. buy Monroe | Sep 27 |
| Smurfit merges with CCA, cuts work force | Nov 21 |
| Stone and investors buy Jacksonville | Dec 31 |
| Stone completes purchase of Champion packaging units | Apr 23 |
| Stone pursues talks with Jacksonville Kraft | Aug 25 |
| Temple-Inland to buy O-I's Orange mill | Mar 23 |
| Union Camp joins poison pill crowd, issues new rights | Apr 21 |
| Valmet, KMW to for paper machinery company | Feb 25 |
| Valmet, Wartsila to form paper equipment company | Jul 33 |
| Westar negotiating sale of Castlegar pulp mill | Sep 25 |
| Westar's Castlegar pulp mill sold to consortium | Nov 23 |
| Weston Paper to purchase Pioneer Container | Oct 25 |
| Weyerhaeuser buys St. Joe Paper's Chicopee box plant | Nov 37 |
| Weyerhaeuser Canada to buy Prince Albert Pulp | May 21 |
| Weyerhaeuser sells kraft mill and bag plant assets | Feb 31 |

BOXBOARD/PACKAGING

| | |
|--|--------|
| China National Packaging completes Morris mill buy | Feb 37 |
| ChinAm restarts Morris Paperboard mill | Dec 31 |
| Corrugated boats take to the water | Aug 33 |
| Gradual improvement expected in 1986 | Mar 41 |
| Great Southern acquires J&J Corrugated Box | Oct 29 |
| Green Bay buys Corrugated Packaging of Cincinnati | Feb 35 |
| Manville plans further SUS capacity increases | Oct 39 |
| Newark Group enters the clay-coated carton market | Feb 37 |
| New company formed to buy Jacksonville Kraft assets | Oct 29 |
| Plastics to remain major threat in food packaging | Jul 33 |
| Rank-Whitney acquires Robertson boxboard mill | Oct 39 |
| Smurfit, Willamette buy corrugated box plants | Feb 35 |
| Stone Container makes classrooms of corrugated board | Feb 35 |

CAPITAL SPENDING

| | |
|---|--------|
| U.S. companies lower 1986 capital spending rights | Nov 33 |
| U.S. companies plan 3.6% spending boost in 1986 | Feb 27 |
| U.S. companies stick to spending increases | Jul 25 |
| U.S. paper companies to up spending by 6.7% in 1986 | Sep 33 |

CONVERTED PRODUCTS

| | |
|---|--------|
| Abitibi to merge envelope units into Innova Envelop | Feb 39 |
| Ampad acquired by Mead Corp. | Dec 35 |
| Boise Cascade develops container for adhesives | Apr 35 |
| CCA to spend \$30 million on carton division | Mar 37 |
| Coors to expand Tennessee paperboard carrier plant | Oct 37 |
| Fort Howard completes cup plant restructuring | Dec 35 |
| Fort Howard, James River complete acquisitions | Aug 31 |
| Fort Howard to buy Lily-Tulip, gaining market share | Jun 37 |
| Gilman Paper shuts down Grocery Bag & Sack Div. | Feb 31 |
| Great Southern may enter corrugated box business | Mar 37 |
| James River to buy Canada Cup; market heats up | Jun 37 |
| K-C countersues P&G over design of diaper | Nov 33 |
| K-C introduces new Huggies product | Aug 31 |
| Longview Fibre to build Utah box plant | Sep 39 |
| North End Paper looked at by potential buyers | Feb 39 |
| P&G expands testing of its "ultra" diaper | Jan 33 |
| P&G to take Ultra Pampers nationwide | Mar 39 |
| Rolph-Clark-Stone opens new plant | Dec 35 |
| Scott gets license to make incontinence products | Jan 33 |
| Scott sells Cut-Rite of wax paper to Reynolds | Jul 31 |
| Shorewood Packaging goes public | Dec 35 |
| Tri-Wall makes ceiling material for automobiles | Aug 31 |
| Weyco to challenge K-C and P&G in diaper market | Aug 31 |
| Weyerhaeuser Milk Moover boxes replace plastic | Apr 35 |
| White paper converters in Midwest merge | Oct 37 |

ENERGY

| | |
|--|--------|
| Boise studies possible cogeneration boiler | Jun 39 |
| Cogeneration will climb, despite tax reform | Nov 27 |
| Erving Paper, Strathmore plan onsite cogeneration | Aug 33 |
| Federal's Sprague mill to get new cogeneration plant | Jul 23 |
| Finch, Pruyn to supply 95% of its own electricity | Jan 31 |
| Georgia Kraft installs new recovery boiler | Aug 33 |

EQUIPMENT

| | |
|---|--------|
| Beloit sold to Harnischfeger | Apr 21 |
| Valmet, KMW to form paper machinery company | Feb 25 |
| Sunds to buy Jylhavaara's pulping equipment | Dec 37 |

ENVIRONMENT/REGULATION

| | |
|--|--------|
| Acid rain bill could be costly—decision next year | Nov 27 |
| Champion cuts output at Canton due to drought | Sep 37 |
| Clean Water Act extension vetoed | Dec 33 |
| Consumers favor recycled packaging | Apr 37 |
| Dioxin in Maine rivers may be from kraft pulp mills | Feb 37 |
| Environmental protection investment flat | Nov 29 |
| EPA emission proposal threatens industry | Nov 27 |
| FSC Paper to fuel boiler with landfill gas | Sep 37 |
| Fort Howard wants study of wastewater in Fox River | Apr 37 |
| GLFP, Reed settle mercury suit with Native Americans | Jan 27 |
| Great Northern Paper scraps plans for Big A dam | May 33 |

MacMillan Bloedel to build \$6-million wastewater plant Jan 27
 UPIU surveys workers for formaldehyde hearing Apr 33

FOREST RESOURCES/WOOD PRODUCTS

American Forest Council makes its debut Apr 37
 Boise timberland sale collapses without financing Feb 39
 Canada retaliates against U.S. wood tariff Jul 35
 Canadian forest fire could be costly—worst in years Jul 35
 FSAC says Canadian grants upset the marketplace Feb 39
 L-P plant to buy Kirby Forest industries Oct 39
 L-P to complete construction of waferwood plant Feb 39
 Loggers scramble for liability insurance Oct 39
 Maxxam buys Pacific Lumber Apr 37
 Maxxam makes progress in Pacific Lumber buyout Jan 33
 Weyerhaeuser plants 2 billion seedlings Aug 23

INTERNATIONAL TRADE

Europe's output in 1985: little change in production Jul 35
 Japanese diaper demand is growing rapidly Aug 33
 Producers ring up good directory paper sales to East Mar 31
 Scott's overseas growth is up Jul 31

LABOR

Appleton Papers settles strike Jan 31
 Arkansas Kraft's Morrilton strike ends Feb 37
 Bathurst's six-month strike ends Jan 31
 Canadian IWA approves severing ties with U.S. Nov 33
 Champion's Pensacola union agrees to contract terms Mar 37
 CPU approves reopening merger talks with unions Oct 33
 CPU negotiates for 6%/5.5% hikes in two-years Mar 35
 Fraser Paper to cut work force at Madawaska Jun 35
 Great Northern intent on cutting costs significantly Jul 27
 Gulf States Paper settles negotiations at Demopolis Mar 37
 Hammermill's Selma mill averts strike Jun 35
 IP's Bastrop employees conclude contract negotiations Mar 37
 IWA accepts Weyco's offer, employees go back to work Sep 35
 James River's Parchment and Kalamazoo strike ends Oct 33
 K-C cuts 355 from Terrace Bay work force Oct 33
 Miami Paper's strike still on Apr 33
 Moderate labor settlements predicted for 1986 Mar 35
 Mohawk Paper reaches settlement with UPIU Jul 29
 NLRB decertifies five more Louisiana-Pacific plants Feb 37
 PCA's Plattsburgh strike ends Oct 33
 PPWC recount upholds new two-year contract Jun 35
 Rock-Tenn's Dallas employees ratify contract Mar 37
 Safety programs at IP, Manville are successful Apr 33
 Talks in British Columbia scheduled Jan 29
 Thilmany's Kaukauna UPIU strike ends Oct 33
 Thilmany's Kaukauna UPIU workers strike Sep 37
 UPIU ends strike at James River's Green Bay mill Jul 29
 UPIU, IBEW conclude talks at Mead's Escanaba mill Aug 29
 UPIU rejects merger with OCAW Jan 31
 UPIU settles at Big Island Feb 37
 Waldorf settles with IBEW, IUOE at Battle Creek Mar 37
 West Carrollton talks fail Jan 31
 Workers strike Weyco sawmills and five pulp mills Aug 29

LITIGATION

Pulp cartel appeal deadline met Apr 37
 3M files suit against Ampad over sticky notepads Mar 39
 Weyerhaeuser not negligent in St. Helens deaths Jan 23

MARKETS/PRICES

Abitibi's v.p. calls for accord, forecasts growth Oct 29
 Bible, carbonizing tissue prices up; shipments down Nov 37
 Bleached board prices hiked by more producers Apr 11
 Bleached folding carton prices stable Nov 11
 Boxboard producers to try increase Jul 11
 C&I tissue producers post 5% price hikes Sep 11
 Champion posts news price hike for Jan. 1 Nov 29
 Coated groundwood paper prices drop Aug 11
 Deinking, pulp subs prices still rising May 11
 Directory paper market is healthy Apr 31
 Facial tissue price increase planned May 11
 Federal raises boxboard prices in West Sep 11
 Forms bond market firms up in first quarter Mar 11
 Free-sheet mills try to raise prices again Feb 11
 Great Southern posts \$30/ton liner hike Jun 11

Insert printers upgrade paper choice Jun 11
 Liner lifted to \$320 by more U.S. producers May 11
 Liner market in U.S. tight with \$290 price hike Apr 11
 Liner not expected to expand much in future Oct 27
 Liner prices in U.S. improving in spring Mar 11
 Liner producers aim for \$30/ton price hike Feb 11
 Liner producers set \$350/ton hike Dec 11
 Market pulp prices may scrape bottom Jan 11
 Mixed prospects on newsprint price hike Sep 11
 More price hikes set on SBS Aug 11
 More uncoated free-sheet hikes slated Jul 11
 Multiwall paper prices hiked by more companies Sep 11
 NBSK at \$450/ton is gaining acceptance in Europe May 11
 NBSK price to reach \$520/ton in fourth quarter Oct 21
 New exports weak, imports still strong Mar 11
 Newsprint hike Oct. 1 likely in West Oct 11
 Newsprint producers post Oct. 1 price hike Aug 11
 Newsprint shipments show healthy growth Jul 11
 Paper and board capacity to grow significantly Oct 31
 Producers try for linerboard price hike Oct 25
 Pulp prices rise, but so does output Apr 11
 Pulp producers in Canada, southern U.S. post hikes Mar 33
 Recycled boxboard market seen as stable Feb 11
 Rise in paper use seen by magazine publishers Aug 25
 SBS hikes firm, unlike recycled board Jun 11
 Stone posts \$40/ton price hike on multiwall Sep 39
 Stone sets \$35/ton price hike on bag paper Apr 35
 Two-tier liner price is disappearing Nov 11
 Uncoated forms paper prices firm up Oct 11
 Uncoated free-sheet market firms up Jan 11
 Uncoated free-sheet market tightens Dec 11
 Uncoated groundwood paper prices take hold Nov 11
 Wastepaper demand strong in most areas Oct 11
 Wastepaper domestic demand plummets Jan 11
 Westvaco posts SBS hike for Jan. 1 Dec 11
 World paper/board demand to grow 2.6%/year Nov 31

NEW TECHNOLOGY

Cooking monitor method awarded patent Feb 35
 Ester pulping: better than kraft pulping? Feb 33
 High-yield pulping at Univ. of Quebec Feb 33
 New chemical papermaking process debuts Oct 35
 Polypropylene sheet used for synthetic book paper Jun 35
 Pulp slurry goes to space on Columbia shuttle Mar 29
 Tampella expands program of wastewater treatment Oct 35
 Trial converts sawdust directly to petroleum Oct 35

REORGANIZATIONS/SHUTDOWNS/DOWNTIME

Blast halts Donohue's Clermont mill—2 killed Apr 33
 Champion closes part of Pasadena pulp and paper mill May 23
 CZ's Camas small tissue machine is down Apr 33
 IP moves headquarters outside of New York City Sep 39
 IP moves headquarters to Memphis, Tenn. Dec 33
 IP to shut down fluff pulp line at Natchez mill Mar 33
 Manville executives leaving, reorganization revised Jun 37
 Manville restarts medium machine at West Monroe Apr 35
 Speculation abounds on BCFP's future Sep 29

SALES/EARNINGS/FINANCE

Bowater's Calhoun hits 15 million tons of newsprint Jun 33
 Canadian mills did better in 1985 Apr 29
 Canadian mills' first-quarter earnings up from 1985 Jun 29
 Canadian printing/writing paper capacity surges Aug 27
 Canadian profits soar despite IWA strike Dec 23
 Canadian second-quarter profits increase 126% Sep 31
 Canadians report modest improvements in third quarter Jan 29
 First-quarter U.S. paper industry profits dropped Jun 27
 Industry earnings rebound in second quarter Sep 29
 Industry weighs tax reform Oct 21
 Manfor projects at least \$22-million loss for 1985 Feb 29
 Merchandise flyers/inserts may spur coated sales Nov 35
 Paper machinery manufacturers don't recoup losses Mar 41
 Tight pulp market precursor to price hikes? Jun 25
 U.S. containerboard mills try for price hike again Jan 35
 U.S. profits surged 30.4% in third quarter Dec 21
 U.S. sales/earnings reflect competition, down economy Apr 27
 Westar to write down assets due to weak prices Feb 29

